

TROFIMOVA; T.M.

Clinical significance of protein precipitation tests in rheumatic fever and rheumatoid arthritis. Klin.med. 39 no.3:100-102 Mr '61.  
(MIRA 14:3)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - deyst-vitel'nyy chlen AMN SSSR prof. V.Kh. Vasilenko) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.  
(BLOOD PROTEINS) (ARTHRITIS, RHEUMATOID)(RHEUMATIC FEVER)

ASTAPENKO, M.G., prof.; TROFIMOVA, T.M., Cand.med.nauk

Compound treatment in infectious nonspecific polyarthritis with  
resochin and hormonal preparations. Sov.med. 26 no.2:29-35 F'63.

1. Iz otdeleniya infektartritov (zav. - prof. M.G.Astapenko)  
Instituta pevmatizma (dir. - deystvitel'nyy chlen AMN SSSR A.I.  
Nesterova) AMN SSSR.  
(ARTHRITIS, RHEUMATOID) (QUINOLINE)  
(HORMONE THERAPY)

TROFIMOVА, T.M., kанд. med. nauk

Amyloidosis of viscera in infectious nonspecific (rheumatoid) polyarthritiS. Vop. revm. 3 no.4:30-35 O-D '63.  
(MIRA 17:2)

1. Iz otdeleниya infektartritov (zav. - prof. M.G. Astapenko)  
Gosudarstvennogo nauchno-issledovatel'skogo instituta revmatizma  
(dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Nesterov) AMN SSSR.

TROFIKOVA, T.M., Cand Med Sci--(diss) "Clinical significance of  
of electrophoretic study of protein fractions of the blood serum in  
rheumatic patients." Nov, 1958. 15 pp. (First Med Order of Lenin Med  
Inst im I.M.Sochinov), 300 copies (KI, 40-58, 107)

-79-

TROFIMOVA, T.M., (Moskva)

Protein fractions in the blood serum in rheumatoid and infectious  
nonspecific polyarthritis. Klin.med. 36 no.5:79-83 My '58 (MIRA 11:7)

1. Iz propedevticheskoy terapevticheskoy kliniki (dir. - deyavitele'nyy  
chlen AMN SSSR zasluzhennyy deyatel' nauki RSFSR prof. V.Kh. Vasilenko)  
I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

(ARTHRITIS, RHEUMATOID, blood, in

proteins (Rus))

(BLOOD PROTEINS, in var. dis.

rheum, arthritis (Rus))

SACHKOV, V.I.; ORIGOR'YEVA, M.P.; SPERANSKIY, A.I.; TROFIMOVA, T.M.

Bentonite test for diagnosis of infectious nonspecific polyarthritis.  
Lab.delo 7 no.7:9-12 Jl '61. (MIRA 14:6)

1. Laboratoriya mikroimmunologii (zav. V.I.Sachkov) Gosudarstvennogo  
nauchno-issledovatel'skogo instituta revmatizma Ministerstva  
zdravookhraneniya RSFSR.  
(BENTONITE) (ARTHRITIS)

L 4134-66 EWT(1) IJP(c) AT  
ACCESSION NR: AR5015194

UR/0275/65/000/006/B020/B020  
539.293:535.215.2

SOURCE: Ref. zh. Elektronika i yeye primeneniye. Svednyy tom, Abs. 6B156

AUTHOR: Trofimova, T. N.

TITLE: Negative photo-conductance of liquid binary systems

CITED SOURCE: Sb. nauchn. tr. Dnepropetr. inzh.-stroit. in-t, vyp. 29, 1963,  
47-50

TOPIC TAGS: semiconductor, semiconductor conductivity

TRANSLATION: It has been known that the photo-conductance of a substance may drop lower than its dark value under irradiation conditions. Another type of negative photo-conductance (NPC) has been observed, in which the irradiation causes the conductance drop without crossing its dark value. NPC of solid semiconductors may happen as a consequence of fast recombination of minority carriers, released from some centers by the action of light, with majority carriers. The NPC mechanism, which corresponds to this assumption, is not

Card 1/2

L 4134-66

ACCESSION NR: AR5015194

universal; hence, other variants are considered. NPC of methylene chloride, bromobenzene, and iodine-benzene solutions in diethyl ether (0.005 volume) was experimentally investigated. It was found that NPC occurs under the irradiation whose wavelengths lie practically entirely within the visible range, whereas the absorption range for these solutions lies within 210-290 millimicrons. The experimental data permits concluding that the conductance variation is due to the carrier-concentration change under irradiation, rather than to mobility variations. Bibl. 8.

SUB CODE: GC, OP

ENCL: 00

Card 2/2

KOPYLOV, Yu.A.; TROFIMOV, T.N.; POLOVITSKIY, Yu.M.; NEMCHENKO, A.M.

Study of the causes of negative photoconductivity in liquid  
organic semiconductors. Izv. vys. ucheb. zav.; fiz. 8 no.1:  
106-112 '65. (MIRA 18:3)

1. Dnepropetrovskiy inzhenerno-stroitel'nyy institut.

KOPYLOV, Yu.A.; STOLOVITSKIY, Yu.M.; TROFIMOVA, T.N.

Photoconductivity of the system methylene iodide - diethyl ether.  
Izv. vys. ucheb. zav.; fiz. 8 no.2:112-118 '65. (MIRA 18:7)

1. Dnepropetrovskiy inzhenerno-stroitel'nyy institut.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7

organic semiconductor, liquid organic semiconductor, other

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CIA-RDP86-00513R001756710007-7"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7"

L 30405-66 EWP(j)/EWT(l)/EWT(m) IJP(c) AT/RM/DS

ACC NR: AP6008091

SOURCE CODE: UR/0076/66/040/002/0389/0394

64  
B

AUTHOR: Kopylov, Yu. A.; Stolovitskiy, Yu. M.; Trofimova, T. N.

ORG: Dnepropetrovsk Engineering-Construction Institute (Dnepropetrovskiy inzhenerno-stroitel'nyy institut)

TITLE: Investigation of the nature of the processes determining the presence of photoconductivity in organic liquids

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 2, 1966, 389-394

TOPIC TAGS: methane, benzene, halogen, photoconductivity, absorption spectrum

ABSTRACT: The authors performed an experimental investigation of the processes accompanying photoconductivity in liquids and solutions containing halogen derivatives of methane and benzene. The photoconductivity is not accompanied either by recombination luminescence, or phosphorescence with a duration of persistence above  $10^{-4}$  sec. Consequently, the appearance of current carriers and their recombination occurs through the stage of degradation of the energy of the optic excitation into thermal kinetic energy. The authors established no variation of spectral absorption which relax together with photoconductivity, but established a yield of molecular iodine. The irreversible variations in the absorption spectra do not have a direct relationship to photoconductivity. The reason for the appearance of photocurrent carriers is the intermolecular charge transfer occurring as a secondary stage after the optical excitation. Possible mechanisms are proposed for the

UDC: 541.14

Card 1/2

L 30405-66  
ACC NR: AP6008091

processes. Orig. art. has: 5 figures and 5 formulas.

SUB CODE: 0710 / SUBM DATE: 11Dec64 / ORIG REF: 015 / OTH REF: 007

O.

Card 2/2 CC

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7

ATTACHMENT - TRAILER, T. N.

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CIA-RDP86-00513R001756710007-7"

"APPROVED FOR RELEASE: 03/14/2001

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ACCESSORIES APPENDIX

ADDITIONAL APPENDIXES

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APPROVAL FOR RELEASE

Carlo C. R.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7"

USSR/Cultivated Plants - Commercial. Oil-Beating. Sugar-Beating.

Nos Jour : R.Z. Zool. - Biol., No 10, 1956, 44260

Author : Lobov, I.F., Trofimova, N.V., Trimaniko, T.P.

Inst : Novocherkassk Zootechnical Veterinary Institut.

Title : New Dressing Beets.

Orig Pub : Ir. Novocherkassogo zootekhnichesk. in-ta, 1957, vyp. 10,  
137-139.

Abstract : No abstract.

Card 1/1

-- 129 --

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"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7

change in the kinetics of the photoconductivity when the semicon-

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APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7"

KOPYLOV, Yu.A.; TROFIMOVA, T.N.; STOLOVITSKIY, Yu.M.; NEMCHENKO, A.M.

Some regularities of the photoconductivity of liquid organic  
semiconductors. Izv. vys. ucheb. zav.; fiz. no.5:28-33 '64.  
(MIRA 17:11)

1. Dnepropetrovskiy inzhenerno-stroitel'nyy institut.

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CIA-RDP86-00513R001756710007-7

RECORDED BY: [unclear]

TRANSCRIBED BY: [unclear]

EDITED BY: [unclear]

TYPESET BY: [unclear]

REVIEWED BY: [unclear]

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CIA-RDP86-00513R001756710007-7"

for the establishment of a

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7

judgement on the electrical conductivity mechanisms of the plume  
Orig. att. has: 1 formula, 1 figure, and 2 tables.

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7

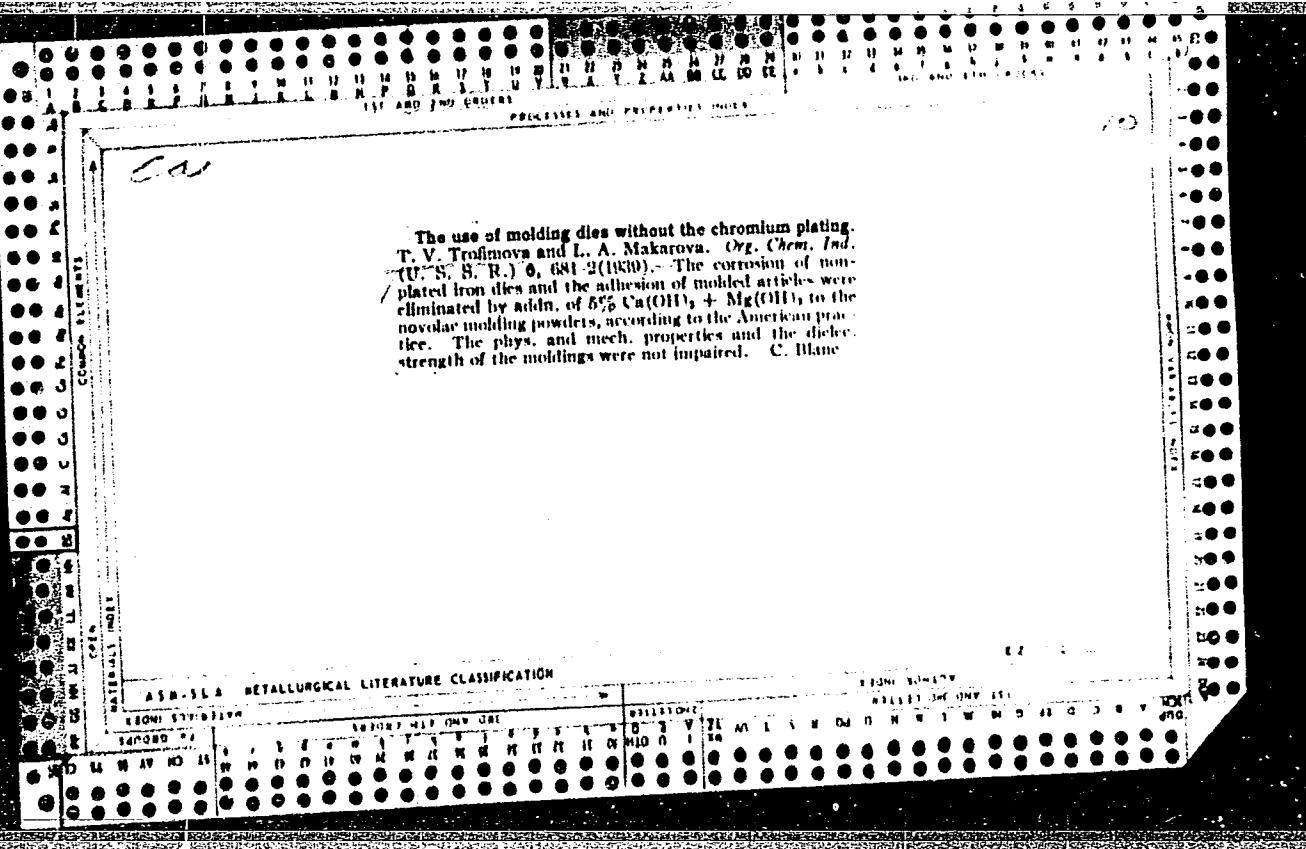
APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7"

KOPYLOV, Yu.A.; TOFIMOVA, T.N.; STOLOVITSKIY, Yu.M.

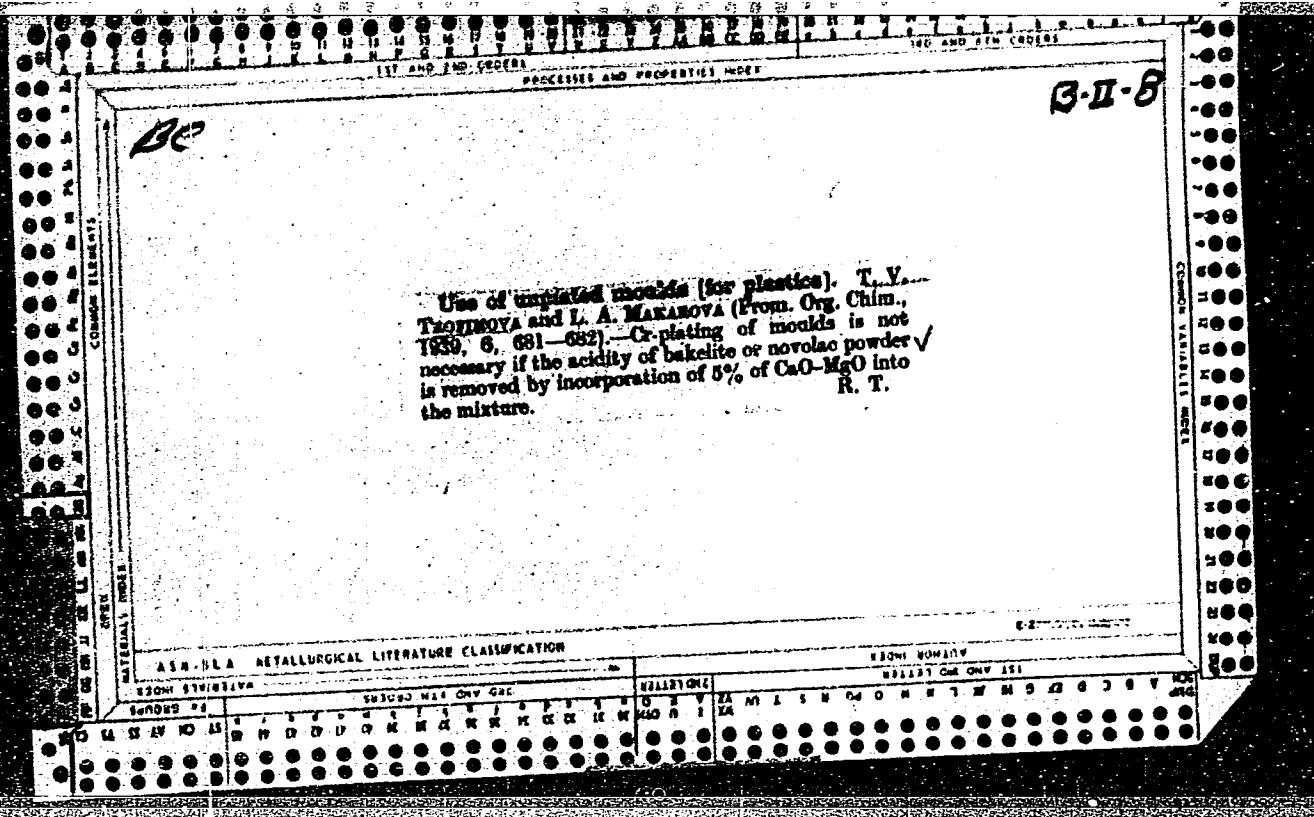
Temperature dependence of the electric conductivity of monochloro-substituted benzenes and their solutions in ethyl ether. Zhur. fiz. khim. 39 no.2:491-493 F '65. (MIRA 18:4)

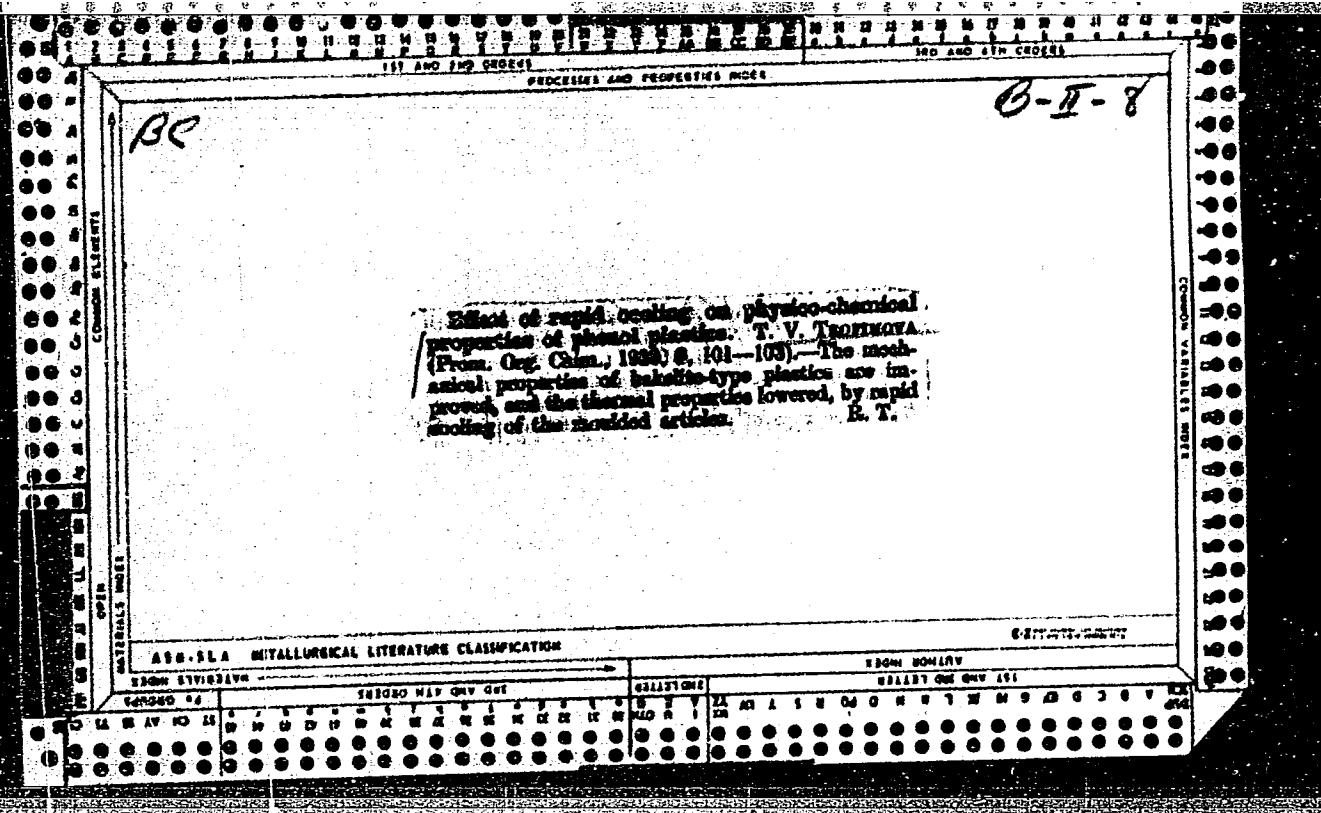
1. Dnepropetrovskiy inzhenerno-stroitel'nyy institut.



13

The effect of rapid cooling on the physicomechanical properties of phenol-formaldehyde moldings. I. V. Trofimova, *Org. Chem. Ind. (U. S. S. R.)* 6, 101-3 (1969). Mixts. of Novolac and resinid with wood flour were pressed into moldings (10 X 16 X 20 cm.) at 180° and 450 kg./sq. cm. for 6 min. and then immediately plunged into water at 8-10°. Their phys. and mech. properties were compared with the moldings similarly prep'd. but cooled slowly at room temp. The rapidly cooled moldings showed an increase of 12-50% in the temporary resistance to dynamic bending of the Novolac mixts. and 6-21% of the resinid mixts. The corresponding increase in the resistance to static bending was 7.3-28% and 1.3-18.6%. The resistance to heat of the rapidly cooled moldings was reduced from 120-4° to 91-116° and from 85-122° to 80-104°, resp. The slowly cooled molding on reheating at 160° for 30 min. and rapid quenching in cold water showed analogous increase in the mech. consts., while the rapidly cooled moldings when re-heated and then slowly cooled showed the same consts. as the original slowly cooled moldings. These reverse thermal changes can be repeated indefinitely. Evidently, PhOH-CH<sub>2</sub>O moldings behave thermally similar to steel in the process of tempering with corresponding structural changes, which require further investigation. C. B.

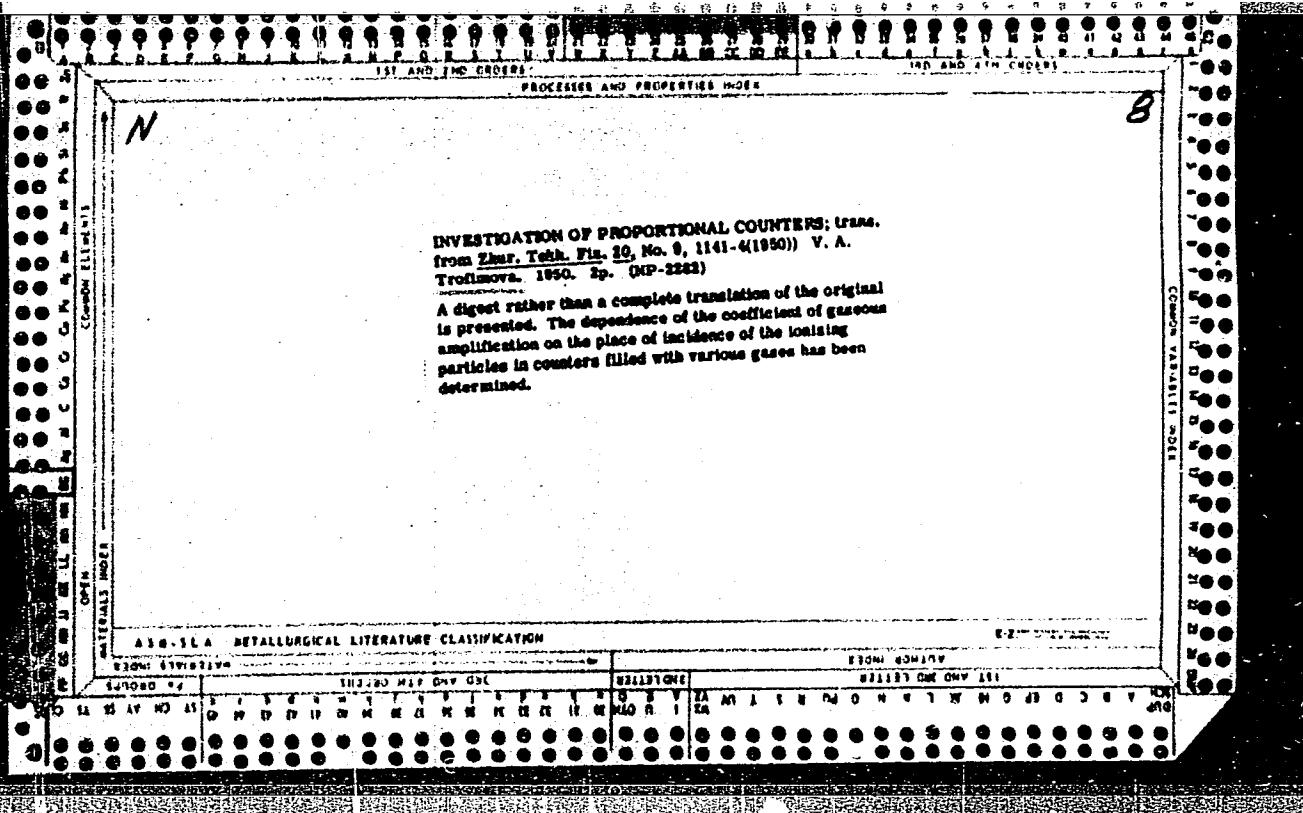


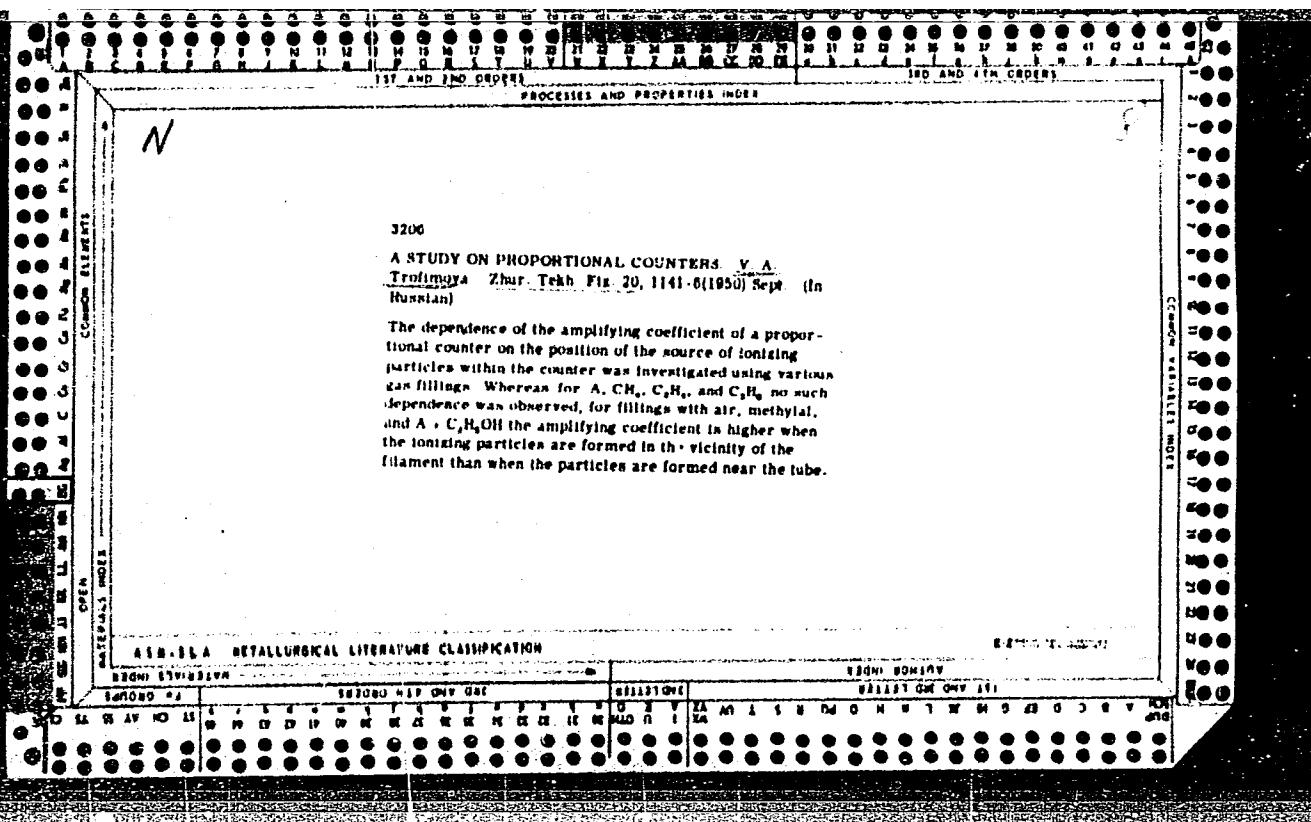


TROFIMOVA, V.; SHAPIRO, M.

School lunches. Obshchestv. pit. no.9:15-17 S '58. (MIRA 11:10)

i. Zamestitel' direktora Nauchno-issledovatel'skogo instituta  
torgovli i obshchestvennogo pitaniya (for Trofimova).  
(School children--Food)





TROFIMOVA, V. A. Cand Med Sci -- "Objective calculation of the ~~progressive~~  
movement of the head of the foetus in labor by the method of distocometry."  
Rostov-on-Don, 1960 (Rostov-on-Don State Med Inst). (KL, 4-61, 211)

-384-

TROFIMOVA, V. A. (translator)

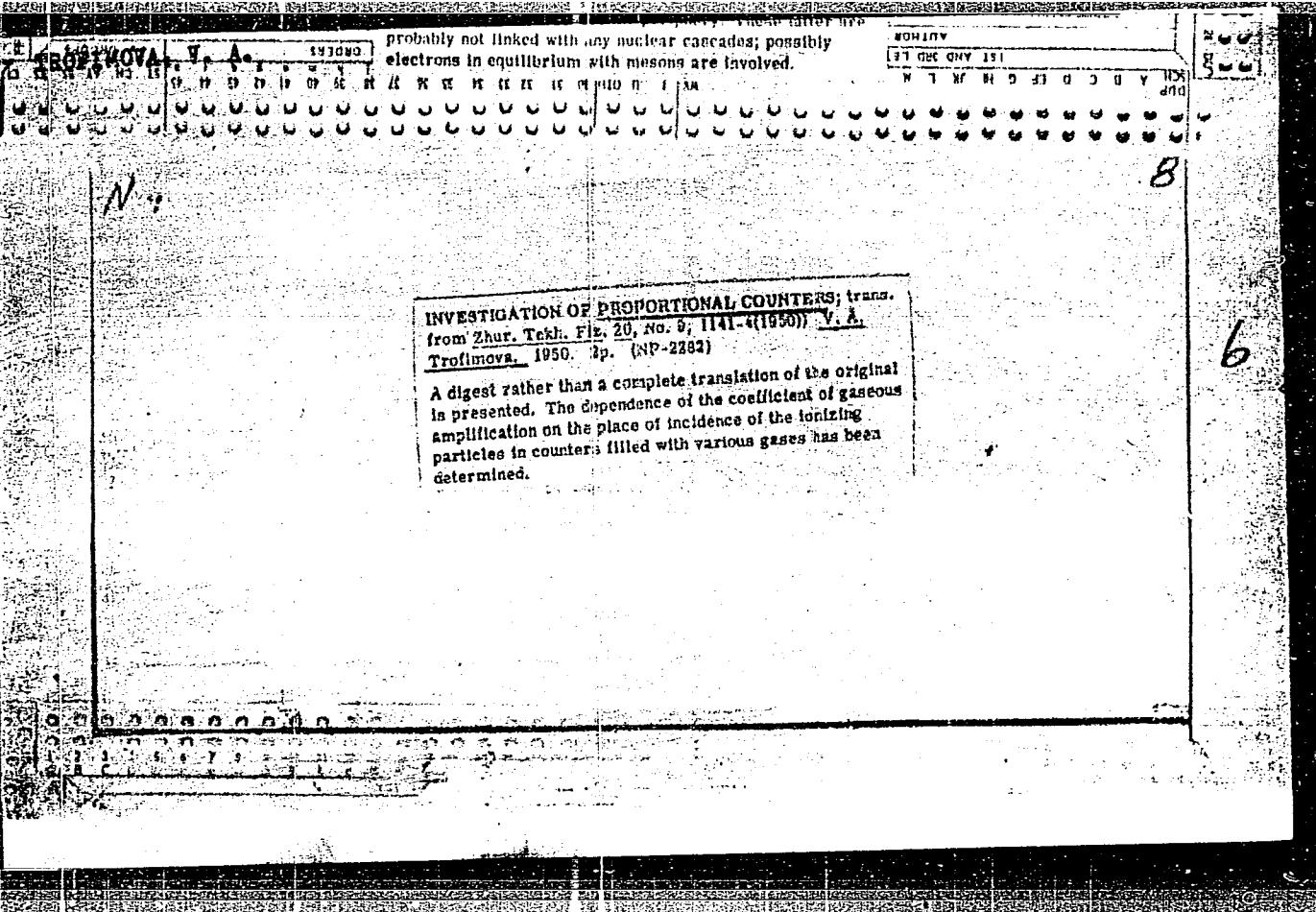
"The Modern Cathode-Ray Oscillograph," 1950

TROFIMOVА, V. A., ABRAMSON, I. S. and SHELKOV, L. S.

"The Modern Cathode-Ray Oscillograph", Part I, Construction and Operation of  
Cathode-Ray Oscillograph, Izdatel'stvo Akademii Nauk SSSR, 192 pp, 1950.

ABRAMSON, I.S., redaktor; SHELKOV, L.S.[translator]; TROFIMOVA, V.A.,  
[translator] GESSEN, L. redaktor; DRONOV. A.' tekhnicheskij  
redaktor; PECHNIKOVA, N, tekhnicheskij redaktor.

[Modern cathode ray oscillograph; a collection of articles]  
Sovremennoi katodnyi oscillograf; sbornik statei. Moskva,  
Izd-vo inostrannoi lit-ry. Pt. 1 [Installation and operation  
of a cathode oscillograph. Translated from the English]  
Ustroistvo i rabota katednogo oscillografa. Per. s angliiskogo  
L.S.Shelkova, i V.A. Trofimovo. Pod red. I.S.Abrameona. Izd-vo  
2-e, ispr. i dop. 1951 241 p. (MLRA 8:10)  
(Cathode ray tubes)



TROFIMOVA, V. A.

N

8

3206

A STUDY ON PROPORTIONAL COUNTERS, V. A.  
Trofimova. Zhur. Tekh. Fiz. 29, 1141-6(1960) Sept. (In  
Russian)

The dependence of the amplifying coefficient of a proportional counter on the position of the source of ionizing particles within the counter was investigated using various gas fillings. Whereas for Ar,  $\text{CH}_4$ ,  $\text{C}_2\text{H}_4$ , and  $\text{C}_2\text{H}_6$  no such dependence was observed, for fillings with air, methylal, and  $\text{Ar} + \text{C}_2\text{H}_5\text{OH}$  the amplifying coefficient is higher when the ionizing particles are formed in the vicinity of the filament than when the particles are formed near the tube.

b2

TROFIMOVА, V. A.

3206

A STUDY ON PROPORTIONAL COUNTERS. V. A.  
Trofimova. Zhur. Tekh. Fiz. 20, 1141-6 (1950) Sept. (In  
Russian)

The dependence of the amplifying coefficient of a proportional counter on the position of the source of ionizing particles within the counter was investigated using various gas fillings. Whereas for  $A$ ,  $CH_4$ ,  $C_2H_4$ , and  $C_3H_6$  no such dependence was observed, for fillings with air, methylal, and  $A + C_2H_6$  oil the amplifying coefficient is higher when the ionizing particles are formed in the vicinity of the filament than when the particles are formed near the tube.

62

8

ISHUKOV, V.P., starshiy nauchnyy sotrudnik; TROFIMOVA, V.F., mladshiy  
nauchnyy sotrudnik

Investigating moisture absorption by dried poultry meat  
dehydrated by sublimation. Trudy TSNIIPa 9:22-24 '62.  
(MIRA 16:6)

(Meat, Dried—Testing)

TROFIMOVA, V.I.; MANELIS, A.Ya., red.; SUDAK, D.M., tekhn.red.

[Ways of improving self-service in workers' and students' dining rooms] Puti uluchsheniia samoobsluzhivaniia v rabochikh i studencheskikh stolovykh. Pod red. V.I. Trofimovoи. Moskva, Gos. izd-vo torg. lit-ry, 1958. 197 p. (MIRA 12:1)

1. Moscow. Nauchno-issledovatel'skiy institut torgovli i obshchestvennogo pitaniya.  
(Restaurants, lunchrooms, etc.)

GROZNOV, Sergey Romanovich; NIKASHIN, Philipp Petrovich; GRIGOR'YEV, P.Ya.,  
red.; KAGANOVA, A.A., red.; LEBANOV, D.I., red.; MANELIS, A.Ya.,  
red.; PROTOPOPOV, S.I., red.; SIDOROV, V.A., red.; TROFIMOVA,  
V.I., red.; MEDRISH, D.M., tekhn.red.

[Meat dishes] Miasnye bliuda. Moskva, Gos.izd-vo torg.lit-ry,  
1960. 222 p. (MIRA 13:11)  
(Cookery (Meat))

Trofimova, V.I.

SOV/1700

## PAGE I BOOK INFORMATION

2(7)

Ukr. Universitet

*Materijali X Vsesovumu sovetskemu po spektroskopii, 1956.*  
 1. II. Akademiya spetsializatsii (Material of the 10th All-Union Conference on Spectroscopy, 1956) Vol. 2: Atomic Spectroscopy; Chernivtsi, 1958. 568 p. (Series: Itsa: Filialniy zhurnak, vyp. A(9)) 3,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Komisiya po spektroskopii.

Editorial Board: G.J. Landberg, Academian, (Phys., Dr.) Sciences;  
 B.B. Kopeliovich, Doctor of Physical and Mathematical Sciences;  
 I.I. Pashchenko, Doctor of Physical and Mathematical Sciences;  
 V.I. Fabrikant, Doctor of Physical and Mathematical Sciences;  
 V.D. Koritskii, Candidate of Technical Sciences; S.M. Rayatci, Candidate of Technical Sciences; L.K. Klimovskaya, Candidate of Physical and Mathematical Sciences; V.S. Miliyarchuk (Deceased), Doctor of Physical and Mathematical Sciences; A.E. Glazerman, Doctor of Physical and Mathematical Sciences;  
 Sh. I. Sids, Doctor of Phys. Sci.; T.V. Saranyuk.

PURPOSE: This book is intended for scientists and researchers in the field of spectroscopy, as well as for technical personnel using spectrum analysis in various industries.

COVERAGE: This volume contains 177 scientific and technical studies of atomic spectroscopy presented at the 10th All-Union Conference on Spectroscopy in 1956. The studies were carried out by members of scientific and technical institutes and include extensive bibliographies of Soviet and other sources. The studies cover many phases of spectroscopy: spectra of rare earths, electromagnetic radiation, photochemical methods for controlling uranium production, physico-technology of gas discharge, optics and spectroscopy, abnormal dispersion in metal vapors, spectroscopy and the combustion theory, spectrum analysis of ores and minerals, photographic methods for quantitative spectrometry of metals and alloys, spectral determination of the hydrogen content of metals by means of isotopes, tables and atlases of spectral lines, spark spectrographic analysis, and statistical study of variation in the parameters of calibration curves, determination of traces of metals, spectrum analysis in metallurgy, thermochrometry in metallurgy, and principles and practice of spectrochemical analysis.

Card 2/31

Kolborev, Yu.Ye. and M.K. Kril'yanovskaya. Spectral Determination of Aluminum in Alloyed Steel With the Aid of Solutions 402

Kosarovich, A.G. Spectra Microanalysis of High-alloy Steel and Heat-resistant Alloys 404

Nezamisheva, N.Z. Spectrographic Determination of Titanium in Talysht and Kl-123 Types of Steel 406

Ganfer, K.S., O.D. Krivul'ya, V.I. Trofimova, and V.D. Ponov, Studying the Plane Spectrum of a Bessemer Converter With the Aid of an ISP-51 Spectrograph 410

Silinich, E.A. Shift of Calibration Curves in the Spectrum Analysis of Steel 414

Kubisov, O.I., M.I. Mettova, and K.M. Vinnichenko. Quantitative Spectral Determination of Traces of Elements in Tauripophore-pure Zinc Sulfide 417

Card 23/31

KENGIS, Robert Petrovich; GRIGOR'YEV, P.Ya., red.; KAGANOVA, A.A., red.;  
LOBANOV, D.I., red.; MANELIS, A.Ya., red.; PROTOPOPOV, S.I., red.;  
SIDOROV, V.A., red.; TROFIMOVA, V.I., red.; MEDRISH, D.M.,  
tekhn.red.

[Dough products] Izdeliya iz testa. Moskva, Gos.izd-vo torg.  
lit-ry, 1960. 182 p. (MIRA 13:9)

(Dough) (Confectionery)

ABATUROV, P.V.; GROZNOV, S.R.; GANETSKIY, I.D.; KOZYREVA, Ye.A.;  
NOVITSKAYA, L.A.; ODIRINTSOV, A.I.; PROTOPOPOV, S.I.; SIDOROV,  
V.A.; SIDOROVA, L.I.; TROFIMOV, V.I.; TRUSHINA, I.V.; SHTEYMAN,  
R.A.; DUNTSOVA, K.G., red.; KAZENOVA, A.R., red.; MARSHAK, M.S.,  
prof., red.; MOLCHANOVA, O.P., prof., red.; SALOMATINA, K.Z.,  
red.; KAGANOVA, A.A., red.; MEDRISH, D.M., tekhn. red.

[Dietetic cookery in eating establishments] Dieticheskoe pitanie v  
stolovyykh; sbornik retseptur i tekhnologiiia prigotovleniya bliud.  
Moskva, Gos.izd-vo torg.lit-ry, 1962. 262 p. (MIRA 16:1)

1. Russia (1917- R.S.F.S.R.) Ministerstvo torgovli.  
(COOKERY FOR THE SICK)

TROFIMOVA, V.I.; SHAPIRO, M.S.; NARKEVICH, O.Ye.; TRUKHTANOVA, V.I.;  
VAGANOVА, N.A., red.; EL'KINA, E.M., tekhn. red.

[Organizing an unexpensive and fully adequate diet in  
restaurants]Kak organizovat' nedорogoe i polnotsennoe питание  
v stolovykh. Moskva, Gostorgizdat, 1961. 65 p. (MIRA 15:9)  
(Menus)

MITROFANOV, S.I.; SOKOLOVA, G.Ye.; KHARITONOV, M.I.; TROFIMOVA, V.I.

Improving the technology of barite recovery at the Mirgalimsay Plant.  
TSvet. met. 35 no.6:18-23 Je '62. (MIRA 15:6)  
(Mirgalimsay region-Barite)

GARGIR, K.S.; KRIVULYA, G.D.; TROFIMOVA, V.I.; UMNOV, V.D.

Use of a ISP-51 spectrograph in studying the flame spectrum of  
a Bessemer converter. Fiz.sbor. no.4:410-414 '58.  
(MIRA 12:5)

1. Dneprodzerzhinskiy vecherniy metallurgicheskiy institut  
imeni Arsenicheva i Dneprovskiy metallurgicheskiy zavod imeni  
Dzerzhinskogo.  
(Steel--Spectra)

TROFIMOVA, V.I.; SHTEYMAN, R.A.; SHAPIRO, M.S.; MALEVICH, O.A.; ODINTSOV, A.I.; GROZNOV, S.R.; RYBAK, I.A.; SHORIN, G.F.; BELYAKOV, K.M.; SIDOROV, V.A.; VOITINSKAYA, S.Ye.; DUNTSOVA, K.G.; KHRUSTALEVA, O.N.; CHERVYAKOVA, L., red.; BABICHEVA, V.V., tekhn.red.

[Manual on technological advice and technical specifications for semiprocessed products and dishes of meat, poultry, fish, potatoes, and vegetables] Sbornik tekhnologicheskikh instruktsii i tekhnicheskikh uslovii na polufabrikaty i kulinarные изделия из мяса, птицы, рыбы, картофеля и овощей. Moscow, Gos.izd-vo torg. lit-ry, 1958. 101 p. (MIRA 13:4)

1. Russia (1923- U.S.S.R.) Ministerstvo torgovli.  
(Food industry) (Cookery)

25 (6), 24 (7)

AUTHORS: Garger, K. S., Krivulya, G. D.,  
Ortenberg, F. S., Trofimova, V. I.

SOV/32-25-5-18/56

TITLE:

Investigation of the Spectrum of the Converter Flame in  
Different Types of Blowing (Issledovaniye spektra konverternogo  
plameni pri razlichnykh sposobakh produvki)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 573-576 (USSR)

ABSTRACT:

The authors had already investigated the flame spectrum (FS) of the Bessemer process in the wave range of 3700-10000 Å with a blast of air (Refs 1, 2), on the basis of which a photoelectric control method of blowing through rail steel was introduced (Refs 3, 4). In the present case the investigation results of (FS) of new converter processes with the use of oxygen are given. The (FS) on blowing through cast iron with a vapor-oxygen mixture was investigated at the Yenakiyevskiy metallurgicheskiy zavod (Yenakiyev Metallurgical Factory) with the co-operation of N. I. Goncharenko, A. B. Minster, A. D. Stakhurskiy and V. D. Umnov on the spectrograph ISP-28 and styloscope SL-3 (with photographic attachment). The lines Na, K, Li, Rb, Fe, Mn, Ca, Cu, Cr and Ga were plotted and it was observed that the spectrum Fe I is considerably richer in lines than on

Card 1/3

Investigation of the Spectrum of the Converter  
Flame in Different Types of Blowing

SOV/32-25-5-18/56

blowing through with air (Fig 1). The (FS) on blowing through cast iron with oxygen from above was taken on the abovementioned styloscope and on a diffraction apparatus (with a replica) with the cooperation of V. M. Gorbovskiy and A. D. Stakhurskiy. A few investigation results are given concerning the spectrum in the case of air blowing through, which were obtained at the zavod im. Dzerzhinskogo (Factory imeni Dzerzhinskogo) on the spectrograph ISP-28, ISP-51, styloscope SL-3 and diffraction spectrograph. Measurements of flame temperature were made according to the method by Sobolev (Ref 6), in which the spectrum was taken on films "Izoorto 45 Units GOST" and "Izopankrom" and photometry was made on the MF-2 apparatus. In evaluating the results obtained the authors mention that the increase of the intensity of the ultraviolet range in (FS) of the water vapor-oxygen blowing process according to (Ref 12) may be explained by a collision of O and CO corresponding to  $\text{CO} + \text{O} \rightarrow \text{CO}_2 + h\nu$  (1). There are 3 figures and 14 references, 11 of which are Soviet.

Card 2/3

Investigation of the Spectrum of the Converter  
Flame in Different Types of Blowing

SOV/32-25-5-18/56

ASSOCIATION: Dneprodzerzhinskiy vecherniy metallurgicheskiy institut  
(Dneprodzerzhinsk Metallurgical Institute (Evening School))

Card 3/3

ACHARKAN, V.A.; BARSKOV, I.M.; BIRYUKOV, I.S.; BORODINA, L.Ya.; BRENNER, M.M.;  
GORELIK, B.Ye.; GUMEROV, M.N.; ZORKAYA, N.M.; IOVNYSH, A.I.;  
KAYDALOVA, O.N.; KAPUSTIN, Ye.I.; LEBEDEVA, M.A.; LESHKOVTSOV, V.A.;  
LYSENKO, V.P.; MARKIN, A.B.; MIKHAYLOV, N.N.; NEST'YEV, I.V.; NECHAYEV,  
N.V.; NIKOL'SKIY, A.V.; OSTROUKHOV, M.Ya.; PISARZHEVSKIY, O.N.;  
POLUBOYARINOV, M.M.; POPOV, Yu.N.; PRASOLOV, M.A.; POKATAYEV, Yu.N.;  
RIMBERG, A.M.; RIABOV, V.S.; SEMKOV, B.F.; SPERANSKAYA, Ye.A.; TAKOYEV,  
lit-ry, 1959. 462 p. (Russia)

[U.S.S.R. as it is; a popular illustrated handbook] SSSR kak on est';  
populiarniy illiustrirovannyi spravochnik. Moskva, Gos.izd-vo polit.  
(MIRA 12:2)

TROFIMOVА, V. I.

GRIGOR'YEV, Petr Yakovlevich; KAGANOVA, A.A., redaktor; LOBANOV, D.I.,  
redaktor; MAMELIS, A.Ya., redaktor; PROTOPOPOV, S.I., redaktor;  
SIDOROV, V.A., redaktor; TROFIMOVА, V.I., redaktor; MEDVEDEV, D.M.,  
tekhnicheskiy redaktor

[Cold dishes and snacks] Kholodnye bliude i zakuski. Moskva, Gos.  
izd-vo torg.lit-ry, 1957. 167 p. (MIRA 10:10)  
(Cookery)

SHORIN, G.F., redaktor; LORANOV, D.I., redaktor; MOLCHANOV, O.P., redaktor;  
MARTYNOVA, Ye.G., redaktor; SIDOROV, V.A., redaktor; TIMATKOV, V.D.,  
redaktor; TROFIMOV, V.I., redaktor; KAGANOVA, A.A., vedushchiy  
redaktor; BERNIKOV, Yu.Y., redaktor; SUDAK, D.M., tekhnicheskiy redaktor

[A collection of recipes for workers' and students' diets] Sbornik  
retseptur bliud dlja pitanija rabochikh i studentov. Moskva, Gos. izd-  
vo torgovoi lit-ry, 1956. 607 p. (MLRA 9:11)

1. Russia (1923- U.S.S.R.) Ministerstvo torgovli.  
(Cookery)

~~TROFIMOVA, V.I.; SHAPIRO, M.S.; SHORIN, G.P., redaktor; LOBANOV, D.I.,  
redaktor; MOLCHANOV, O.P., redaktor; SUKOLEMOV, P.G., redaktor;  
VEMER, V.A., redaktor; LATYSHEV, A.N., redaktor; KAGANOVA, A.A.,  
vedushchiy redaktor; BERNIKOV, Yu.K., redaktor; SUDAK, D.M..  
tekhnicheskiy redaktor~~

[A collection of recipes for labor reserve student dining rooms]  
Sbornik retseptur bliud dlia pitanija uchashchikhsia uchebnykh  
zavedenii trudovykh rezervov. Moskva, Gos. izd-vo torgovoi lit-ry,  
1956. 358 p.  
(MIRA 10:1)

1. Russia (1923- U.S.S.R.) Ministerstvo torgovli.  
(Cookery)

TROFIMOVA, V.I., red.; ANTONOV, M.V., kand.tekhn.nauk, red.; CHERVYAKOVA, L.S., red.; SUDAK, D.M., tekhn.red.

[Collected scientific works; problems of public food service and food storage] Sbornik nauchnykh rabot; voprosy obshchestvennogo pitanija i khranenija tovarov. Pod red. V.I.Trofimovo i M.V. Antonova. Moskva, Gos. izd-vo torg. lit-ry, 1957. 195 p  
(MIRA 11:6)

1. Moscow. nauchno-issledovatel'skiy institut torgovli i obshchestvennogo pitanija.  
(Restaurants, lunch rooms, etc.)  
(Food—Storage)

TROFIMOVA, V.I., red.; ANTONOV, M.V., kand. tekhn. nauk, red.; CHEBVIAKOVA, L.S., red.; SUDAK, D.M., tekhn. red.

[Collection of scientific papers; problems in public catering and food storage] Sbornik nauchnykh rabot; voprosy obshchestvennogo pitanija i khraneniya tovarov. Pod red. V.I. Trofimovoij i M.V. Antonova. Moskva, Gos. izd-vo torg. lit-ry, 1957. 195 p.  
(MIRA 11:10)

1. Moscow. Nauchno-issledovatel'skiy institut torgovli i obshchestvennogo pitanija.

(Restaurants, lunchrooms, etc.)  
(Food—Preservation)

*Tsentral'nyi nauchno-tekhnicheskiy*  
SIDOROV, Vasiliy Alekseyevich; GRIGOR'YEV, P.Ya., red.; KAGANOVA, A.A., red.;  
LOBANOV, D.I., red.; MANELIS, A.Ia., red.; PROTOPOPOV, S.I., red.;  
TROFIMOVA, V.I., red.; MEDRISH, D.M., tekhn. red.

[Initial processing of foods] Pervichnaya obrabotka i zagotovka  
produkrov v prok. Moskva, Gos. izd-vo torg. lit-ry, 1958. 150 p.  
(Food) (MIRA 11:9)

TROFIMOVА, V. I.; VLADIMIROV, V.D., dotsent

Consultations, Vop.pit. 15 no.4:61-62 Jl-Ag '56.  
(FOOD--PRESERVATION)

(MIRA 9:9)

ASHELIN, N.S.; ANAN'YEV, A.A.; GROZNOV, S.R.; GRIGOR'YEV, P.Ya.;  
TROFIMOVA, V.I.; SHTEMYMAN, R.A.

[A cookbook] Kniga dlia povara. Moskva, Gostorgizdat, 1952.  
(MLRA 6:12)  
355 p.  
(Cookery for institutions, etc.)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7"

TROFINOVA, V.I.

Trofimova, V.I. and Shteyman,R.A. "The problem of the supply of beef products to public cafeterias, (Packing and storage)," Sbornik nauch. rabot (Nauch.-issled. in-t torgovli i obshchestv. pitaniya), Moscow, 1949, p. 172-80

SO: U-5241, 17 December 1953, (Letopis 'zhernal' Nykh Statey, No. 26, 1949).

SIDOROV, Vasiliy Alekseyevich; GRIGOR'YEV, P.Ya., red.; KAGANOVA, A.A.,  
red.; LOBANOV, D.I., red.; MANELIS, A.Ya., red.; PROTOPOPOV, S.I.,  
red.; TROFIMOV, V.I.; KAGANOVA, A.A., red.; MEDRISH, D.M., tekhn.  
red.

[Preliminary processing and preparation of food] Pervichnaia ob-  
rabotka i zagotovka produktov vprok. Moskva, Gos. izd-vo torg.  
(MIRA 14:10)  
lit-ry, 1960. 119 p. (Cookery)

TROFIMOVA, V.I., nauchnyy sotr.; SHTEYMAN, R.A., nauchnyy sotr.; GROZNOV,  
S.R., nauchnyy sotr.; SIDOROVA, L.I., nauchnyy sotr.; DUNTSOVA,  
V.G.; KAZENOVA, A.R.; PROTOPOPOV, S.I.; SHORIN, G.F., red.; LOBANOV,  
D.I., red.; MOLCHANOV, O.P., red.; MARTYNNOVA, Ye.G., red.; SIDOROV,  
V.A., red.; TIMATKOV, V.D., red.; VAGANOVA, N.A., red.;  
BABIGEVA, V.V., tekhn. red.

[Collected recipes of dishes for workers and students] Sbornik  
retseptur bliud dlja pitanija rabochikh i studentov. 2. perer.<sup>dop.</sup>  
izd. Moskva, Gos.izd-vo torg.lit-ry, 1961. 491 p. (MIRA 15:1)

1. Russia (1917- R.S.F.S.R.) Ministerstvo torgovli. 2. Nauchno-  
issledovatel'skiy institut torgovli i obshchestvennogo pitanija  
(for Trofimova, Shteyman, Groznov, Sidorova). 3. Upravleniye ob-  
shchestvennogo pitanija Ministerstva torgovli RSFSR (for Duntsova,  
Kazenova). 4. Glavnnyy kulinar Upravleniya obshchestvennogo pitanija  
Ministerstva torgovli RSFSR (for Protopopov).

(Cookery)

ALEKSEYEV, V.F.; BERZHBITSKIY, V.V.; GAYSINSKIY, A.Ya.; MGALOBLISHVILI,  
N.M.; TROFIMOVA, V.I.; SHTEYMAN, R.A.; OLTARZHEVSKIY, V.K.,  
doktor arkh., zasl. deyatel' iskusstv, nauchnyy red.; VORONINA,  
T.V., red.; GOVALOV, O.V., red.; TEMKINA, Ye.L., red.

[Public eating places] Predpriatia obshchestvennogo pitanija;  
posobie po proektirovaniu. Moskva, Gosstroizdat, 1963. 266 p.  
(MIRA 16:5)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut ob-  
shchestvennykh zdanij.

(Restaurants, lunchrooms, etc.--Design and construction)

SOV-118-58-7-17/20

AUTHOR: Trofimova, V.M., Engineer

TITLE: A New Technology of Lowering and Lifting Operations in the Azerbaijan Oil Fields (Novaya tekhnologiya spusko-pod'yemnykh operatsiy na neftyanykh promyslakh Azerbaydzhana)

PERIODICAL: Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1958, Nr 7,  
pp 42-43 (USSR)

ABSTRACT: To achieve a higher technical level and to improve the quality and speed of underground oil-well repairs, a new technology of lowering and lifting operations has been introduced into the Baku oilfields by the engineers G.D. Nuridzhanov and R.S. Madera. The new method consists of the utilization of the KSPD, a special lowering and lifting mechanism on derricks. In case of underground oil well repairs, the deep well pumping rods are no longer removed and put on shelves, but suspended vertically in the center of the derrick. The new technology saves time (30-40%) because the screwing together, when lowered, or unscrewing operations, when lifted, are time saving. At present 25% of all Azerbaijan derricks are equipped with the lowering and lifting mechanism and the maintenance of oil wells is carried out by applying the new procedure. Lack of

Card 1/2

SOV-118-58-7-17/20

A New Technology of Lowering and Lifting Operations in the Azerbaijan Oil Fields

standardized pipes and insufficient illumination are delaying a general introduction of the new method. The article presents a detailed description of the new technology. There is 1 photograph, and 1 schematic drawing.

1. Oil wells--Maintenance
2. Derricks--Applications

Card 2/2

TROFIMOVА, V.M.

Automatic machinery for underground well repair. Azerb. neft.  
khoz. 37 no.7:27-28 J1 '58. (MIRA 11:9)  
(Oil wells--Equipment and supplies--Repairing)

TROFIMOVA, Vera Mikhaylovna; LANGLEBEN, Mikhail L'vovich;  
ABDULLAYEV, Yu.M.; MUSAYEVA, E., red.

[Practical guide for underground well repair crews] Prakticheskoe rukovodstvo dlja brigad podzemnogo remonta skvazhin.  
Baku, Azerbaidzhanskoe gos.izd-vo, 1964. 81 p.  
(MIRA 17:5)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710007-7"

DREMIN, A.N. (Moskva); ROLANOV, O.K. (Moskva); TROFIMOV, V.S. (Moskva)

The mechanism underlying detonations of liquid explosives. PMTF  
no.1:130-132 Ja-F '63. (MIRA 16:2)  
(Detonation) (Explosives)

L 18278-63

EPA/EPA(b)/EPF(c)/EPR/EWT(1)/EWT(m)/BDS/ES(s)-2 AEDC/AFFTC/

APGC/ASD/RPL/SSD Pa-4/Pd-4/Pr-4/Ps-4/Pt-4 RM/WW/JW

ACCESSION NR: AP3006131

S/0207/63/000/004/0101/0103

AUTHOR: Buravova, S. N. (Moscow); Dremin, A. N. (Moscow); Rozanov, O. K. (Moscow); Trofimov, V. S. (Moscow)

95

91

TITLE: Study of the smoothness of a detonation wave front

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1963, 101-103

TOPIC TAGS: detonation, detonation wave front, nitromethane, acetone, liquid explosive, structure, detonation front structure, reflected light

ABSTRACT: A study of the surface structure of a detonation wave front propagating in liquid nitromethane-acetone mixtures proved that the front is not smooth and thus confirmed a previous conclusion that detonation waves in liquids do not propagate at the same rate in all points of the front. The study was made by the following method: The test mixture, which was placed in a vessel with a polished metal plate at the bottom, was detonated by a charge located under the plate. A layer of water above the test mixture served for control purposes.

Card 1/1

L 18278-63

ACCESSION NR: AP3006131

4

Argon heated by compression with a detonation-induced shock wave was used as a light source. The light reflected from the metal plate and from the nitromethane-acetone and water interphase was recorded by a photoregister. Photographs obtained during propagation of the detonation wave disclosed traces caused by reflection from the moving metal plate and the front of the shock wave propagating in the test mixture and in water. Traces caused by reflection from the detonation wave front were not observed. Another experiment conducted by the light scattering technique with a nonpolished metal plate and focusing of the scattered light beam showed a trace resulting from light scattering on the detonation wave front. The results indicate that the absence of a reflected light trace in the first experiment is not caused by light absorption but rather by the fact that the detonation front has a surface roughness which is much larger than the wave length of light. An approximate evaluation of these and previous experiments suggests that the dimension of the detonation front nonuniformity in the direction of the wave propagation is not more than one order of magnitude smaller than the dimension in the plane of the front. "The authors thank V. A. Kolomenkin, G. G. Nemtsov, V. A. Paramonov, and D. I. Gerasimov for their help in conducting the experiments." Orig. art. has: 3 figures.

Card 2/3 2/

Trofimova, V.S.

AVERBUKH, T.D.; SREBRENNIKOVA, M.T.; BAKINA, N.P.; TROFIMOVA, V.S.

Study of the rate of absorption of sulfurous anhydride by a chromium oxide sorbent, carried out on models. Zhur.pril.khim. 27 no.10:1042-1055 0 '54.  
(Sulfur dioxide) (Absorption) (Scrubber (Chemical technology))  
(MIRA 7:11)

AVERBUKH, T.D.; KATS, S.D.; SEREBRYANNIKOVA, M.T.; BAKINA, N.P.; TROFIMOVА, V.S.

Aborbent for the extraction of sulfur diozide from industrial gases.

Patent U.S.S.R. 77,110, Dec. 31, 1949.

(CA 47 no.19:10202 '53)

TROFIMOVA, V. V.

Trofimova, V. V.

"The Study of the Writings of V. V. Mayakovskiy in the Tenth Class of the Intermediate School." Moscow State Pedagogical Inst imeni V. I. Lenin Moscow, 1955. (Dissertation for the Degree of Candidate in Pedagogical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

KALASHNIKOV, S.N.; KOGAN, G.I.; KOZLOVSKIY, I.S.; KORZINKIN, V.I.;  
MARKOV, N.N.; SYROYEGIN, A.A.; TAYTS, B.A., prof., doktor  
tekhn. nauk, red.; TROFIMOVA, Ye.I., kand. tekhn. nauk,  
retsenzent; IVANOVA, N.A., red.izd-va; EL'KIND. V.D.,  
tekhn. red.

[Manufacture of gear wheels] Proizvodstvo zubchatykh koles;  
spravochnik. [By] S.N.Kalashnikov i dr. Moskva, Mashgiz,  
1963. 683 p. (MIRA 16:12)

(Gearing)

KLIMOV, V.I.; TROFIMOV, Ye.I., kand. tekhn. nauk, retsenzent

[Cutting gear wheels] Narezanie zubchatykh koles. 2. izd.  
Moskva, Izd-vo "Mashinostroenie," 1964. 60 p.  
(MIRA 17:8)

SMIRNOV, V.K.; TROFIMOVA, Ye.I., kand. tekhn. nauk, retsenzent

[Universal technological equipment in small-lot production] Universal'naia tekhnologicheskaiia osnastka v melko-seriinom proizvodstve. Moskva, Mashinostroenie, 1965.  
(MIRA 18:12)  
125 p.

ROZENTUL, M.A., professor; ASTVATSATUROV, K.R., dotsent; ZAKHAROVA, L.I.,  
assistant; MILICH, M.V., starshiy laborant; TROFIMOVA, Ye.M.; BOBKOVA-BASOVA, O.D., ordinato

Late results of treating syphilis with arsenic-free drugs. Vest.  
ven. i derm. no.3:22-27 My-Je '56. (MIRA 9:9)

1. Iz Kafedry kozhnykh i venericheskikh bolezney (zav. - prof. A.I. Kartamyshev) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva), TSentral'nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta, (dir. - kandidat meditsinskikh nauk N.M. Turanov), Klinicheskoy bol'nitsy imeni V.G. Korolenko (glavnnyy vrach - zasluzhennyy vrach RSFSR V.P. Nikolayev) i venerologicheskogo otdeleniya (zac. - F.A. Levina) bol'nitsy No.33 imeni Ostroumova.

(SYPHILIS, therapy,  
arsenic-free drugs (Rus))

ROZENTUL, M.A.; ASTVATSATUROV, K.H.; ZAKHAROVA, L.I.; BASOVA, O.D.; TRO-  
FIMOVA, Ye.M.

Treatment of syphilis with penicillin and bismuth but without  
arsenic. Vest. vener., Moskva no. 5:31-33 Sept-Oct 1952. (CIML 23:3)

1. Professor for Rozentul; Docent for Astvatsaturov; Assistant for  
Zakharova; and Departmental Physician for Basova of Polyclinic No.  
62 and for Trofimova of Hospital imeni Korolenko. 2. Of the Department  
for Skin and Venereal Diseases (Head -- Prof. M. A. Rozentul), Central  
Institute for the Advanced Training of Physicians (Director -- V. P.  
Lebedeva).

BOGDANOV, N. A., Prof.; ADIVATZHEVA, I. R., Docent;  
ZAKHAROVA, L. I.; BAKOVA, O. D.; TROFIMOVA, Ye. M.

Syphilis

Treatment of syphilis with penicillin and bismuth but without arsenic. Vest. ver. i  
derm. No. 5, 1952

9. Monthly List of Russian Accessions, Library of Congress, December 1952, Uncl.

PANKOVA, Ya. V., kand. med. nauk.; TROFIMOVA, Ye. M.

Problem of so-called latent syphilis. Vest. derm. i ven. 32 no.6:48-54  
N-D '58. (MIRA 12:1)

1. Iz kafedry koznykh bolezney (zav. - prof. A.I. Kartamyshev) Tsentral-  
nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedev) i bol'-  
nitsay imeni Korolenko.

(SYPHILIS, diag.  
latent forms, neural & visceral forms, problems (Rus))

KAPRAIOVA, G.A.; TROFIMOVA, Ye.M.; SHILOV, A. Ye.

Upper ignition limit in the reaction of fluorine with hydrogen.  
Kin. i kat. 6 no. 6:977-981 N-D '65 (MIRA 19:1)

1. Institut khimicheskoy fiziki AN SSSR. Submitted July 14,  
1964.

KAPRALOVA, G.A.; TROFIMOVA, Ye.M.; RUSIN, L.Yu.; CHAYKIN, A.M.; SHILOV,  
A.Ye.

Experimental evidence for branching in chain reactions involving  
molecular fluorine. Kin. i kat. 4 no.4:653-654 Jl-Ag '63.  
(MIRA 16:11)

1. Institut khimicheskoy fiziki AN SSSR.

ROZENTUL, M. A., PROF.: ASTVATSATUROV, K. R.: DOCENT: ZAKHAROVA, L. I.:  
BASOVA, O. D.: TROFIMOVA, YE. M.

Penicillin - Therapeutic Use

Treatment of syphilis with penicilling and bismuth but without arsenic. Vest.  
ven. i derm. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 Unclassified.

ROZENTUL, M. A. PROF: ASTVATSATUROV, K. R., DOCENT: ZAKHAROVA, L. I.:  
BASOVA, O. D.: THOFIMOVA, YE. M.

Penicillin - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic. Vest.  
ven. i derm. no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

ROZENTUL, M. A. PROF: ASTVATSATUROV, K. R., DOCENT: ZAKHAROVA, L. I.:  
BASOVA, O. D.: TROFIMOVAYA, YE. M.

Penicillin - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic. Vest.  
ven. i derm. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress. December 1953/2 Unclassified.

BOZENTUL, M. A., PROF.: ASTVATSATUROV, K.R., DOCENT: ZAKHAROVA, I. T.:  
BASOVA, O. D.: TROFIMOVA, YE. M.

Penicillin - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic.  
Vest. ven i derm. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 Unclassified.

BASOVA, O.D.: TROFIMOV, YE. M.: ROZENTUL, M.A.; PROF: ASTVATSATUROV, K.R., DOCENT:  
ZAKHAROVA, L.I.

Bismuth - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic. Vest.  
ven, i derm, No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953/2 Unclassified.

ZAKHAROVA, L. I.: BASOVA, O.D.: TROFIMOV, YE. M.: ROZENTUL, M.A. PROF.:  
ASTVATSATUROV, K.R., DOCENT.

Bismuth - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic. Vest.  
ven. i derm. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953/2 Unclassified.

ASTVATSATUROV, K.R. DOCENT: ZAKHAROVA, L.I.: BASOVA, O.D.: TROFIMOVA, YE.M:  
ROZENTUL, MA. PROF.

Bismuth - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic. Vest.  
ven. i derm. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 Unclassified.

ROZENTUL, M.A. PROF.: ASTVATSATURCV, K.R., DOCENT: ZAKHAROVA, L.I.: BASOVA, O.D.:  
TROFIKOVA, YE.M.

Bismuth - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic. Vest.  
ven i derm. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

TROFIMOVA, YE. M.: ROZNETUL, MA., PROF: ASTVATSATUROV, K.R. DOCENT: ZAKHAROVA,  
L. I.: BASOVA, O. D.

Bismuth - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic. Vest.  
ven. i derm. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 Unclassified.

ROZENTUL, M.A., PROF.: ASTVATSATUROV, K.R., DOCENT.: ZAKHAROVA, L.I.:  
BASOVA, O.D.: TROFIMOVA, YE. M.

Penicillin - Therapeutic Use

Treatment of syphilis with penicillin and bismuth but without arsenic.  
Vest. ven. i derm. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953<sup>2</sup>. Unclassified.

L 11112-66 EPA/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/WW/JW/JWD/WE  
 ACC NR: AP6002164 SOURCE CODE: UR/0195/65/006/006/0977/0981

AUTHOR: Kapralova, G. A.; Trofimova, Ye. M.; Shilov, A. Ye.

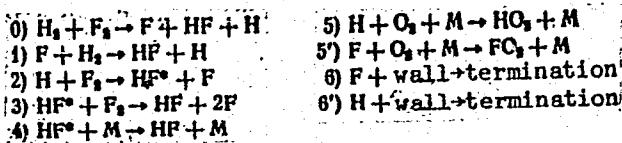
ORG: Institute of Chemical Physics, AN SSSR (Institut khimicheskoy fiziki AN SSSR)

TITLE: The upper ignition limit in the reaction of fluorine with hydrogen //

SOURCE: Kinetika i kataliz, v. 6, no. 6, 1965, 977-981

TOPIC TAGS: flame, combustion, propulsion, ignition limit

ABSTRACT: The reaction of hydrogen with fluorine is often explosive in character. It had been assumed that no branching took place in this reaction, but rather a thermal explosion. A mechanism can be proposed, however, which is different in principle from a thermal explosion:



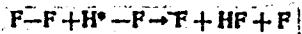
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UDC: 541.126.4:546.16+546.11

L 11112-66

ACC NR: AP6002164

The experimental results obtained in this work clearly indicate the existence of an upper pressure limit. Above the limit the reaction is slow, below the limit an explosion occurs. Branching of the chain reaction taking place above the limit is attributed to excited HF molecules. The reaction of an excited HF molecule with a fluorine molecule probably involves a chemical reaction of the type:



rather than simple energy transfer by collision, which is extremely improbable. The authors intend to investigate the reaction mechanism in more detail and to refine the value of  $k_3/k_4$ . Orig. art. has: 6 figures and 1 table. [VS]

SUB CODE: 21/ SUBM DATE: 14Jul64/ ORIG REF: 003/ OTH REF: 004  
ATD PRESS: 4176

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Card 2/2